

Attorney Docket No.: **PENN-0797**  
Inventors: **Ginsberg et al.**  
Serial No.: **Not yet assigned**  
Filing Date: **January 16, 2002**  
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Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "**VERSION WITH MARKINGS TO SHOW CHANGES MADE.**"

Respectfully submitted,

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Date: **January 16, 2002**

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**In the claims:**

Claims 2 and 4 have been canceled.

Claim 3 has been amended as follows:

3. (amended) A method of diagnosing Alzheimer's disease in a patient suspected of having Alzheimer's disease comprising: ~~detecting the presence of an RNA identified by the method of claim 2 in the brain of the patient~~

(a) isolating single senile plaques in brain tissue by immunocytochemical techniques;

(b) identifying the presence of RNA by contacting said senile plaque with a fluorescent dye capable of intercalating selectively into nucleic acids;

(c) amplifying the identified RNA; and

(d) determining whether the amplified RNA product hybridizes to any known cDNAs for proteins involved in the pathogenesis of Alzheimer's disease.